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# MOHAVE COUNTY MINER

## AND OUR MINERAL WEALTH

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### MINING CONGRESS TAKING NOTICE OF BOULDER CANYON

Telegrams received from R. S. Billings, delegate from Mohave county to the Mining Congress indicate that the Boulder Canyon Dam project is going to receive the spotlight at the convention. Following are the wires received from Mr. Billings:

Telegram to Mohave Chamber of Mines from R. S. Billings:

October 17.

Day taken up with registration and reports of committees previously appointed. I have been with session on standardization. Delegates attend tonight opening National Exposition of Mines and Mining Equipment. Tuesday morning the Congress opens under a regular planned program of speeches. I have stayed a movement to get the delegates together from Arizona, Utah, New Mexico, Colorado, Wyoming and perhaps California to prepare a resolution endorsing the Boulder Canyon Dam. All Western delegates not yet here. Appearances and committees indicate convention largely dominated by coal interests. Suggestions in order.

October 19.

Referring to Boulder Dam, just wired the Secretary of the Interior preable and resolution asking suggestions and enforcement. If satisfactory will go before resolution committee tomorrow.

October 19.

Talked large gathering of engineers. The institute smoker was flatteringly received. One committee man from each state through which resolutions must pass. Douglass and Arizona delegation waiting to see or hear from Greenway. They await his opinion on the Boulder Dam resolutions. This Congress fighting shy of mining bill freight rates.

October 20.

Sec. of the Interior wires this evening that resolution is acceptable to him. It goes to resolution committee in the morning after which we hope for passage by convention. Last paragraph reads: We hereby respectfully urge the Federal government to proceed at once to complete whatever further investigation may be necessary for the undertaking of this great project and provide funds for the building of the first unit thereof.

### FIRE DEPT. BUDGET FILED WITH BOARD

After making as thorough an investigation as possible in the limited time allowed in such matters, the Fire Board have made an approximate estimate of the expense of organizing and maintaining the Kingman Fire Department and placed it in the hands of the Board of Supervisors. In making their investigations the Fire Board have considered as many phases of the situation as possible and have recommended such equipment as will not only take care of Kingman for the present but for some time to come.

The Fire Underwriters' Association's standard has been followed as closely as possible in order that the most material reductions in insurance rates may be had and with the hope that this reduction in rates will more than offset the increased taxes in the district.

The installing of fire hydrants and the extension of water mains where necessary to furnish adequate fire protection to both the business and residential districts has been taken up with the Kingman Water Co., and can be settled in a very satisfactory manner if the present plans carry.

Tests as to hydrant pressure and the flow of water in the present mains have been made at various points and a subsidiary report based on these tests will be filed with the Board of Supervisors before their next meeting. Although no accurate figure can be given at present it is believed that the tax will not reach the maximum of seven mills and it will be only a matter of a few weeks until Kingman will have a fire department equal to any of its kind in the state.

### TREASURE VAULT CUTS VEIN AT 25 FOOT DEPTH

A crosscut at a depth of 25 feet on the Treasure Vault mine, at Katherine, shows 12 feet of vein that gives very good assay results. The vein at this point shows clean wall and the vein in place. This vein has been opened at various points on the surface and at each point gave evidence of ore bearing quality. It is proposed to carry the shaft to a depth of several hundred feet and carry operations out laterally into the mineralized territory. The Treasure Vault is similarly situated to that of the Gold Chain, and lies between that property and the Katherine Extension. The vein traverses one of the prominent buttes and shows good ore values along its entire outcrop.

The mines were recently taken over by M. B. Dudley and associates and it is under his direction that the present development is being carried out. Sam Brethour is in charge of the property, and Sam is some goer when it comes to getting shaft into Mother Earth.

### COMSTOCK CON. TO START SOON AFTER NOV. 1

A large interest in the Comstock Consolidated, which was organized by Senator James Curtin, Sheriff W. P. Mahoney and others, has been contracted for by Atterbury & Tuttle, a bond house, and they will at once proceed with the financing of the treasury. These men deal only in first class securities and bonds and stand so well in the estimation of the public that it is to be presumed no difficulty will be encountered in the securing of ample funds for the carrying out of the scheme of development that has been mapped out.

The property of the Comstock Consolidated lies to the east of the Gold Chain and adjoins that now famous property. A shaft is to be sunk close to the west end line of the property, close to the Gold Chain, and this work is to be started shortly after the first of November. The mine will be placed in charge of a mining operator of well known ability and the work will be in the nature of a thorough development of the big vein. Equipment for all needs will soon be on the mine and the work under way.

### ADAMS STARTS CROSSCUT ON 100 FOOT LEVEL

Report comes from the Adams that Supt. Kilker has completed the station at the 100 level and expects to cut the big vein in two or three rounds. When the vein went out of the shaft on its dip the ore values ran from \$7 to \$9. This is a good showing for a mine in that locality and the new level is quite sure to bring in a better grade. It is usual, as indicated by the Katherine, that depth brings in the quartz and better values, the calcite practically disappearing.

### BIG BORAX FIND NEAR ST. THOMAS

A great find of borax has been made in what is known as the White Basin, 20 miles southwest of St. Thomas, Nevada, and six miles east of the "Borax" Smith mine. This basin has been known for years, but the people traveling that region have been of the opinion that the material that covers a large section of the territory was gypsum. The Pacific Borax Company has taken over the new property, and

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### GOOD NEWS CONTINUES TO COME FROM THE KATHERINE SECTION

By William P. De Wolf.

A marked increase is noticeable in the development of mining properties in the new Katherine gold district, about 35 miles west of Kingman, where a mining excitement is taking form which old time mining men state will equal at its zenith the spectacular mining camp rushes of the past. The rapidity with which the Katherine district has come into favor along mine investors and operators is due to the large veins of milling grade ore opened in the Katherine and the Gold Chain mines and to the district's broad area of mineralization. In the latter respect Katherine is being favorably compared with the famous Cripple Creek district, where in a single year \$27,000,000 worth of gold-bearing ore was shipped from properties extending over a 4 by 5-mile area.

The area of the Katherine district, so far as determined, is about equal to that of Cripple Creek. At the outset of development work in general, operations were largely confined to that portion of the district which is located on the Arizona side of the Colorado river. As the mining industry expanded, however, the activity was extended to the Nevada side of the stream, and is now assuming proportions there under the impetus of strong ledges which show gold in the free and yield high assay returns. The Nevada section of the district, known as "Tristate," by reason of its proximity to the Arizona-Nevada-California boundary line, is sponsored by former Nevada mining men, and has the backing of Nevada and Southern California capital.

At the Nevada-Katherine property, which has the financial backing of Los Angeles men, an unusually rich gold discovery was made a few days ago in what is considered to be the southwest continuation of the big vein opened in the Katherine mine. An open cut on the vein, at a depth of 10 feet, carries 16 inches of ore that assays \$43.88 a ton. The fines, or screenings at that point assay \$1317.63 a ton. The gold content of the fines has a value of \$1277 and the silver content a value of \$40.63. In the tunnel workings, at a point 3000 distant from the open cut, eight feet of ore in the crosscut assays \$11.64 a ton. At another point in the crosscut the

ore assays \$133.40 a ton. The Nevada-Katherine property is to be immediately equipped with machinery. A double-compartment shaft is to be sunk for the purpose of developing the rich ledge at depth.

Plans for the development of the Lucky Prince property, located nearby the Nevada-Katherine, are said to be well advanced. They include the erection of machinery and lateral work on the vein at depth. Similar plans have been made, it is reported, for the development of the Homestake mine. Some years ago approximately \$200,000 worth of ore was glory-holed at the Homestake from surface to a depth of 200 feet. At about the same time a considerable tonnage of high grade ore was mined by leasers in the shaft workings. This ore was ground in an arasta on the bank of the Colorado river and is reported to have yielded a gold content as high as \$250 a ton. Arrangements are also being made to start development work at the King and the Eagle properties in the Tristate section of the district.

In the Arizona section of the Katherine district, the management of the Adams property started crosscutting with two shifts of miners last Sunday. The progress of the work is being watched with more than ordinary interest, as the Adams vein has from surface to a depth of 100 feet—the present point of operations—showed a pronounced quartz replacement of calcite and a marked increase in gold values. Mining men who are familiar with the mineralogical conditions are predicting a sensational discovery in the Adams before the vein has been crosscut from footwall to hanging wall.

Two shifts of miners—both much larger than the force hitherto employed—started work this week in the faces of ore opened on four levels in the bonanza Katherine mine, and also in the winze below the 400-foot level. As soon as the new hoisting and compressor plants are in commission a third shift will be added to the working crew. The management states that the machinery is in railway transit and that it will probably be in operation by November 5. It includes a 200-horsepower pneumatic oil engine and a 1145 cubic foot pneumatic compressor. The concrete

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### KATHERINE REVENUE MINES PREPARING TO CONTINUE SHAFT

At a special meeting of the shareholders of the Oatman Revenue Mines Company, held about ten days ago, the corporate name was changed to that of the Katherine-Revenue Mines Company, the new company being officered by the old board of directors and officers.

The company is now operating its mines, which are situated in the country to the west of the Tyro and east of the Gold Chain, over in the Katherine section. Work is progressing favorably, foundation being cast for the new machinery, which consists of hoist, compressor and other machines, it being the intention to carry the shaft sinking program to a depth of several hundred feet. Business men of the state have taken an active interest in the affairs of the company and are backing the enterprise with their dollars. J. C. Phillips is the new manager of the property and his work so far has been along the lines of getting a dollar's worth of value for every dollar spent.

The mines are well situated, the whole territory surrounding them being mineralized. Among the close-by mines is the Tyro and Sheeptrail, while to the west are the Gold Chain and others that have indicated their ore production potentialities.

### SAN FRANCISCO CURB ORGANIZED

The new San Francisco Curb is going is good shape, according to reports from San Francisco. The first days trading ran into a high figure. The curb is located on Montgomery Street near California and has a very substantial membership, it is reported.

### SAN FRANCISCO MEN TO OPERATE KATHERINE RAND

W. A. Smith has been in San Francisco the past ten days looking after the incorporation of the Katherine Rand Gold Mines Company, having associated himself with F. W. Walsh in the financing of the new corporation. The corporation is to be a Nevada concern and is to have the backing of some important business men of San Francisco and an ample treasury is to be provided with which to begin operations. Just as soon as the papers have been filed with the secretary of state of Nevada proper filing will be made in Arizona and the group of claims owned by the company will be conveyed to the new company and work put under way. The company comes into possession of a group of six claims southeast of the Katherine and in the most favorable part of the district.

The new corporation starts out under favorable auspices, having excellent property, good backing and finances sufficient to carry through a well organized development campaign.

### LEO LONG SENTENCED TO REFORMATORY

Leo Long, the 16-year-old boy who attempted to kill Dr. Taylor near Kingman last week, was sentenced to the state reformatory this week by Judge Bollinger. He was given the limit sentence which will run to the time he is 21 years of age.

In giving him the sentence for the crime which the boy admitted, Judge Bollinger also gave him a piece of his mind. It was regretted that the boy was under age so that he could not be tried in the usual manner.

### GOLD CHAIN CROSS CUT IN 35 FEET SHOWS UP WELL

The Gold Chain is crosscutting its vein 140 feet to the east from the No. 1 crosscut from the bottom of the 100-foot shaft and is already through 35 feet of the same class of material encountered in the first crosscut. The work of carrying the drift through the big vein is progressing with all possible speed and it is probable that the hanging wall will be reached within a few days. The drift along the footwall will be carried further to the east and the richer ore shoot entered about 200 feet from No. 1 crosscut. It is also proposed to carry the main shaft to a new level as soon as possible. The shaft will enter the vein at a depth of about 25 feet below the present deep level and thence downward will be in the ore.

D. W. Shanks passed Sunday and Monday at the mine and was well pleased with the showing and progress made during the month. J. Nelson Nevius, a prominent mining engineer of Pasadena, California, also was a visitor to the property and was surprised with the enormous ore bodies that had been opened in the property.

### HIGHGRADE UN- COVERED NEAR HICO SPRINGS

Ed. Arnold and Frank Thomas made what is considered an important find in the region near Hico Springs, some miles west of Tristate, Nevada, a few days ago. Samples taken from the outcrop gave returns of \$4.20, \$44.24 and \$1.80 in gold. The gentlemen located five claims and intend to at once begin a development campaign on them.

The country west, as well as north and south of Tristate, is well mineralized and it would not be surprising if there were many properties found through intelligent prospecting of that territory. Even the Mount Newberry country should yield minerals, that locality having been but superficially gone over by the early day prospector. In what is known as Spirit Mountain, to the north of Tristate, some excellent veins of gold bearing ore were discovered some years ago, but only a small amount of work was done to develop them.

### NANCY LEE MINE IS AGAIN ACTIVE

The Nancy Lee is now under operation, it being the intention of the management to get pipe lines, buildings and machinery in ship shape to maintain continuous development when the new management takes charge. John Olson is to be the new superintendent of the mines and his selection has been a wise move of the board of directors. Mr. Olson has been devoting his time to mining in all parts of the country, managing his own and other properties. He knows the Nancy Lee and its ore shoots better, possibly, than any other man and this knowledge will stand him in good stead when he takes command of development.

The Nancy Lee is situated in Secret Pass, about 20 miles west of Kingman, and in that section of country that lies between Gold Road, Oatman and Union Pass, on the big vein system that passes through that whole section. Many other important veins surround the Nancy Lee group, but this property is of greater importance because of the fact that it has been developed to a point where quite large ore reserves have been brought into being. These ore bodies carry good mill values, some of the shoots being high grade. With the shaft sunk to a greater depth and drifts carried through the ore bodies the mine would be immediately put on a production basis. Behind the corporation are a group of men who are backing the project with the time and money and who believe in its potentialities.

### UNITED EASTERN NUMBER 3 SHAFT NEARING THE 800

The No. 3 shaft of the United Eastern is fast reaching toward the 800 and within a few days it is expected that a station will be cut and the work of crossing over to the vein will be undertaken. Every miner in Oatman is on the tip-toe of expectation in the belief that a wonderful body of ore will be entered by the crosscut.

There is a rumor that the Eastern management knows just what will be found in the new shaft, but this can be nothing but surmise, as it was impossible for them to enter any part of that territory at depth with diamond drilling operations from the deep level of the old workings. But the one thing is certain. The Eastern is going after it, and if it is there they will surely find it. No better management has handled a mine in the county than is in charge of the affairs of the Eastern and if a big body of ore is encountered in the new development the shareholders will get their money's worth. The territory in which the new shaft is situated is ideal for ore making and we believe the optimism of the miners of the district is well founded.

The output of the Eastern was \$143,457.87 for the month of September, and the total production of the big mill for the nine months was \$1,462,486.86. This is a showing that any mine may well be pleased with and indicates the immense potentialities of the property. Since the first of January, 1917, the company has distributed to shareholders approximately \$4,000,000 in dividends and has shipped to the mint a gross total of about \$10,000,000.

### KATHERINE EXTENSION NOW CROSSCUTTING

Sam Brethour, who has been in charge of the Katherine Extension property, has resigned. E. R. Abodie, Jr., taking his place. Mr. Brethour will devote his time from now on entirely to the Treasure Vault and to his personal interests in the Katherine section.

E. R. Abodie, Jr., is an experienced engineer. For three years he was in charge of the underground work at the Empire mine in Grass Valley and for two years in charge of the Golden Center, also a large property located at Grass Valley. Previously to coming here he was doing field work for Bulkley Wells.

The crosscut at the Katherine Extension is under way and this work will be continued.

### MUSICAL AT LEIGON HALL TO BE BRILLANT AFFAIR

Something new to Kingman in the way of entertainments will be offered the public at the American Legion Hall tonight when a musicale composed entirely of local talent will be given under the auspices of the Woman's Auxiliary of the American Legion.

The program, which has taken the committee some two months to prepare, is a brilliant one and the people of Kingman will enjoy a real treat besides discovering what really fine talent we have in our home town.

Owing to the length of the program the ladies are requesting that the public so far as possible be seated at 8 o'clock, as the program will start promptly at that time.

As before stated this affair is being given to raise funds for sending a delegate to the national convention of the American Legion and Woman's Auxiliary at Kansas City. Following is the program:

Piano duet, Qui Vive Galop.....  
Madames Hunt and Thomps.....  
Chorus, Autumn.....High School Girls.....  
Vocal Solo, Nita Gitina.....  
.....Mrs. Chas. E. Moe.....  
Dance, La Tzigana.....  
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